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PATENT APPLICATION

ATTORNEY DOCKET NO. 100110627-7

OCT 25 2004
SEARCHED SCS
IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Investor(s): Janice H. Nickel et al

Confirmation No.: 8074

Application No.: 10/676414

Examiner: WILSON, Christian

Filing Date: Sep 30, 2003

Group Art Unit: 2824

Title: Magnetic Memory Element Having Controlled Nucleation Site In Data Layer

Mail Stop Amendment
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- () under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- () under 37 CFR 1.97 (c) together with either a:
() Statement under 37 CFR 1.97(e), or
() a \$180.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- (X) under 37 CFR 1.97 (d) together with a:
(X) Statement under 37 CFR 1.97(e)(1) or (2), and
(X) a \$180.00 fee set forth in 37 CFR 1.17(p).
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account 08-2025 the sum of \$180.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25.

(X) Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

() A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on Form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

(X) I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450. Date of Deposit: 15 OCT 2004
OR

Respectfully submitted,

Janice H. Nickel et al

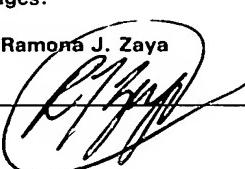
By Brian R. Short

Brian R. Short

Attorney/Agent for Applicant(s)
Reg. No. 41,309

Date: 15 OCT 2004

Typed Name: Ramona J. Zaya

Signature: 

Telephone No.: 650.236.4890

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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

Approved for use through 07/31/2008. GMB 0851-0851
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/676414
Filing Date	09-30-2003
First Named Inventor	Janice H. Nickel
Art Unit	2824
Examiner Name	WILSON, CHRISTIAN

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

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First Named Inventor	Janice H. Nickel
Art Unit	2824
Examiner Name	WILSON, CHRISTIAN

Attorney Docket Number 100110627-7

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		MCMICHEAL R D et al: "Domain Wall Traps for Low-field Switching of Submicron Elements: Journal of Applied Physics, American Institute of Physics NY, US vol. 87 no. 9 5-1-2000	
		Semet et al: "Field Electron Emission from Individual Carbon Nanotubes fo a Vertically Aligned Array. Applied Physics letter vol. 80, no.2 July 8 2002 pages 343-345	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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